



10/603,097.

CoFC

TRANSMITTAL LETTER  
(General - Patent Issued)Docket No.  
01640408AA

Patentee(s): Xu et al.

U.S. Patent No.

6,989,997

Issue Date

January 24, 2006

Title: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

- 1 request for issuance of Certificate of Correction
- 1 Certificate of Correction
- 1 copy of Recordation of Assignment
- 1 copy of petition dated June 21, 2005
- 1 postcard + copy/ 1 transmittal letter

*Certificate  
MAY 08 2006  
of Correction*

- No additional fee is required.
- A check in the amount of \_\_\_\_\_ is attached.
- The Director is hereby authorized to charge and credit Deposit Account 50-2041 as described below.
  - Charge the amount of \_\_\_\_\_
  - Credit any overpayment.
  - Charge any additional fee required.
- Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

  
Signature

Dated: 5-4-06

Olga V. Merkulova  
Reg. No. 48,757  
Whitham, Curtis, Christofferson & Cook P.C.  
11491 Sunset Hills Road  
Suite 340  
Reston, Va. 20190  
703-787-9400

Customer No.: 30743

cc:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

MAY 8 2006 P17A/REV04

Docket 01640408AA  
Serial No. 10/603,097  
Patent No. 6,989,997



1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of

Xu et al.

Patent No. 6,989,997

Issued: January 24, 2006

For: **QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS**

Box Certificate of Corrections  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

REQUEST FOR ISSUANCE OF A CERTIFICATE OF CORRECTION IN ACCORDANCE WITH 37 C.F.R. §§ 1.322

Sir:

Applicant hereby requests the issuance of a certificate of correction which will correct listing of inventors in the patent. The petition to add an original erroneously omitted inventor was submitted by Applicant on June 21, 2005. Particularly, the Applicant requested that the inventor Yang Qiu be named as an inventor for this application. However, the issued on January 24, 2006, patent does not reflect this correction.

Applicant hereby requests to add Yang Qiu as an inventor for this case. Applicant believes that this mistake has been made in the part of the Office and no fee is due. As a proof a copy of a Petition to Add Original Erroneously not Named Inventor is included with this paper. A copy of a record of Assignment for this case containing the name of Yang Qiu is also included for your reference. Therefore, the Applicant respectfully requests to issue a certificate of correction which properly list all the inventors for this case.

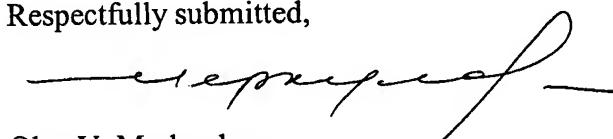
MAY 8 2006

Docket 01640408AA  
Serial No. 10/603,097  
Patent No. 6,989,997

2

Applicant submits that this correction is necessary in order to correct the listing of the inventors in the above-identified patent. Applicant believes that no fee is due, but if any extra fees are due, the Commissioner is authorized to charge Attorney Deposit Account 50-2041 (Whitham, Curtis, Christofferson and Cook, P.C.).

Respectfully submitted,



Olga V. Merkoulova  
Reg. No. 48,757

Whitham, Curtis & Christofferson, P.C.  
11491 Sunset Hills Road, Suite 340  
Reston, VA 20190  
Tel. (703) 787-9400  
Fax. (703) 787-7557  
Customer No. 30743

MAY 8 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO. : **6,989,997 B2**

DATED : **January 24, 2006**

INVENTOR(S) : **Xu et al.**

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 1, column 1 on line of Inventors please add " Yang Qiu, Blacksburg, VA (US)"

MAILING ADDRESS OF SENDER (Please do not use customer number)

Whitham, Curtis, Chrsitofferson & Cook, P.C.  
11491 Sunset Hills Road, SUite 340  
Reston, Virginia 20190

PATENT NO. **6,989,997 B2**

No. of additional copies



8 2006



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

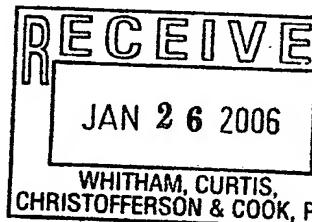
JANUARY 20, 2006

PTAS



\*103094535A\*

MARSHALL M. CURTIS  
WHITHAM, CURTIS & CHRISTOFFERSON, P.C.  
11491 SUNSET HILLS ROAD, SUITE 340  
RESTON, VA 20190



### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313

RECORDATION DATE: 09/28/2005

REEL/FRAME: 017041/0236  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

VIRGINIA POLYTECHNIC INSTITUTE &  
STATE UNIVERSITY  
BLACKSBURG, VIRGINIA 24060

DOC DATE: 06/23/2005

ASSIGNOR:

QIU, YANG

SERIAL NUMBER: 10603097

FILING DATE: 06/25/2003

PATENT NUMBER: 6989997

ISSUE DATE: 01/24/2006

TITLE: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

2006

SEP 9 8 2003

Tab settings ➡ ➡ ➡

To the Director of the United States Patent and

10-05-2005

Docket No.: 01640408AA

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

103094535



Please return the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yang Qiu

Additional names(s) of conveying party(ies)

Yes  No

3. Nature of conveyance:

- Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 06/23/2005

2. Name and address of receiving party(ies):

Name: Virginia Polytechnic Institute & State University

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: Blacksburg State: VA ZIP: 24060

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/603,097

filed 06/25/2003

0/04/2005 DBYRNE 00000037 10603097

1 FC:8021

40.00 DP

Additional numbers attached?  Yes  No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Marshall M. Curtis

Internal Address: \_\_\_\_\_

Street Address: Whigham, Curtis & Christofferson, P.C.

11491 Sunset Hills Road, Suite 340

City: Reston State: VA ZIP: 20190

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

50-2041

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Marshall M. Curtis

September 28, 2005

Name of Person Signing

Signature

2

Date

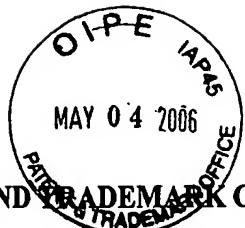
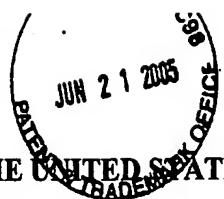
Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

M. XU et al.

Serial No.: 10/603,097

Group Art Unit: No. 2838

Filed: June 25, 2003

Examiner: R. Patel

For: QUASI-RESONANT DC-DC CONVERTERS WITH REDUCED BODY DIODE LOSS

SPE Art Unit 2838

Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

**AMENDMENT, PETITION AND FEE TO ADD ORIGINAL ERRONEOUSLY NOT NAMED INVENTORS IN NON-PROVISIONAL APPLICATION AND DECLARATION UNDER 37 C.F.R. §1.48(a))**

Sir:

1. This amendment and petition is to correct the incorrect original naming of inventors in the declaration under 37 C.F.R. §1.48(a) as set forth and filed on June 25, 2003 in U.S. Patent Application Serial No.: 10/603,097.

2. Please add the following previously unnamed person as inventor of this application:

a) Yang Qiu

3. Submitted herewith are:

a) a statement from Yang Qiu as an inventor that the error in inventorship occurred without deceptive intention on his part;

b) a declaration from Ming Xu as an originally-named inventor as required by 37 C.F.R. §1.48 (a);

c) a declaration from Fred C. Lee as an originally-named inventor as required by 37 C.F.R. §1.48 (a);

d) a written assent of the assignee as required by 37 C.F.R. §1.48 (a);

e) an executed Declaration and Power of Attorney; and

Serial No. 10/603,097  
Docket No. 02.060

f) a check in the amount of \$130.00 to cover the petition fee as required by 37  
C.F.R. §1.17 (i);

Please charge any additional fees required by this paper or credit any overpayment to  
Deposit Account 50-2041 (Whitham, Curtis & Christofferson, P.C.).

Respectfully submitted,



Marshall M. Curtis  
Registration No. 33,138

Whitham, Curtis & Christofferson, P.C.  
11491 Sunset Hills Road, Suite 340  
Reston, VA 20190  
Tel. (703) 787-9400  
Fax. (703) 787-7557  
Customer No.: 30743

2006